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Energy & Environment
ESAT Region 3
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Ex. 4 - CBI

Date: February 06, 2012

Subject: Inorganic Data Validation (IM2 Level)
Project: 180-2644-1
Site: Dimock

From: **Ex. 4 - CBI**
Inorganic Data Reviewer

Ex. 4 - CBI
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To: Colleen Walling
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OVERVIEW

Third party Project 180-2644-1 consisted of two (2) aqueous samples analyzed for the following parameters according to the methods listed below. Samples were analyzed by TestAmerica-Pittsburgh (TALPA).

<u>Parameter</u>	<u>Analytical method</u>	<u>Parameter</u>	<u>Analytical method</u>
Ammonia	EPA 350.1	Acidity	SM 2310B
HEM (Oil & Grease)	EPA 1664A	Chloride	EPA 300.0
Alkalinity	SM 2320B	Total Dissolved Solids	SM 2540C
Total Suspended Solids	SM 2540D	pH	SM 4500H+ B
Methylene Blue Active Substances	SM 5540C		

SUMMARY

Data were validated according to Region 3 Modifications to the National Functional Guidelines for Inorganic Data Review, Level IM2, and is assigned the Superfund Data Validation Label S4VM (Stage_4_Validation_Manual). Areas of concern with respect to data usability are listed below.

Data in this case have been impacted by outliers present in laboratory blanks. Details of these outliers are discussed under “Minor Problem,” specific samples affected are outlined in “Table 1A” and qualified analytical results for all samples are summarized on a single Data Summary Form (DSF).

MINOR PROBLEM

Method Blanks (MBs) had reported results greater than the Method Detection Limits (MDLs) for ammonia and chloride. Positive results for these parameters in affected samples which are less than five times (<5X) blank concentrations may be biased high and have been qualified “B” on the DSF.

NOTES

Holding times were met for all parameters for the samples in this sample set.

Results for quality control analyses [Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD), laboratory duplicate and matrix spike] were within control limits for all parameters for the samples in this sample set.

Test parameter Oil & Grease is officially named n-Hexane Extractable Material (HEM).

Sample volumes other than one (1) liter were used in the analysis of HEM for the samples in this sample set. Dilution factors were adjusted on the DSF to reflect this variance.

ATTACHMENTS

INFORMATION REGARDING REPORT CONTENT

Table 1A is a summary of qualifiers applied to the laboratory-generated results during data validation.

Table 1A	Summary of qualifiers on data summary forms after data validation
Table 1B	Codes used in comments column of Table 1A
Appendix A	Glossary of Data Qualifier Codes
Appendix B	Data Summary Form(s)
Appendix C	Chain of Custody Records
Appendix D	Laboratory Case Narrative

DCN: 180-2644-1_General